feno before light and beyond

User Manual WIN DMX-144
Version 2.0

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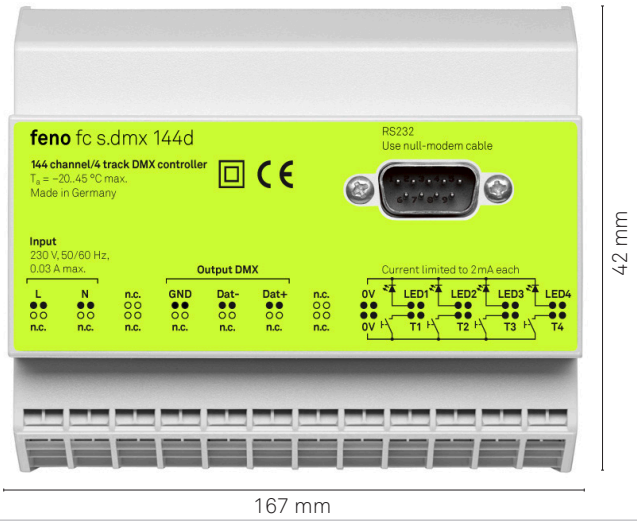
System Requirements

Operating system	Windows 2000, Windows XP
RAM	at least 64 MB
Free space on the hard disk	approx. 10 MB
Screen resolution	1024 x 768 recommended
Interfaces	One free RS232 serial interface for online operation or one free USB port in conjunction with a USB/RS232 adapter

Description of fc s.dmx 144d

This software enables you to create your own light programs which you can either transfer to a connected fc s.dmx 144d lighting control unit or save as a file to hard disk.

Product



This software enables you to:

· easily create and edit individual light moods

· combine several light moods in one light program

· save light programs in a file

· load saved light programs and edit or run them

· attach light moods to a light program

· delete light moods from anywhere within a light program

· edit light moods anywhere within a light program

· paste light moods anywhere within a light program

· save up to four light programs in a fc s.dmx 144d

· run light programs on a PC in preview mode

· set light moods in any of three different ways:

1.) by selecting RGB color values using the Windows color selector or sliders

2.) by combining RGB and white (RGBW) using the color field or sliders

3.) by setting 144 channels individually (W) using sliders

· select which of the four saved light programs in the fc s.dmx 144d is to be run

· control the playback speed of a light program

· set the basic brightness

· define hold times for each light mood

· edit cross-fade effects between the individual light moods in terms of speed and intensity

Description of fc dmx 512u

This program enables you to create your own light programs which you can either play online via a connected fc dmx 512u lighting control unit or save as a file to hard disk.

Product

This software enables you to:

· easily create and edit individual light moods

· combine several light moods in one light program

· save light programs in a file

· load saved light programs and edit or run them

· attach light moods to a light program

· delete light moods from anywhere within a light program

· edit light moods anywhere within a light program

· paste light moods anywhere within a light program

· run light programs on a PC in preview mode

· set light moods in any of three different ways:

1.) by selecting RGB color values using the Windows color selector or sliders

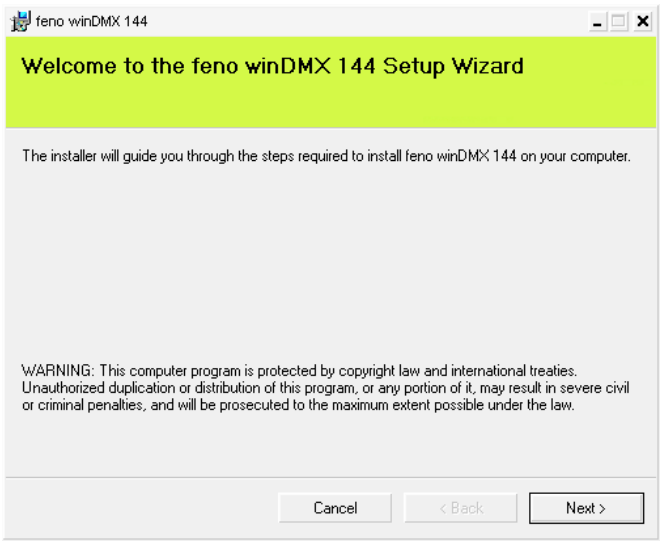
2.) by combining RGB and white (RGBW) using the color field or sliders

3.) by setting 512 channels individually (W) using sliders

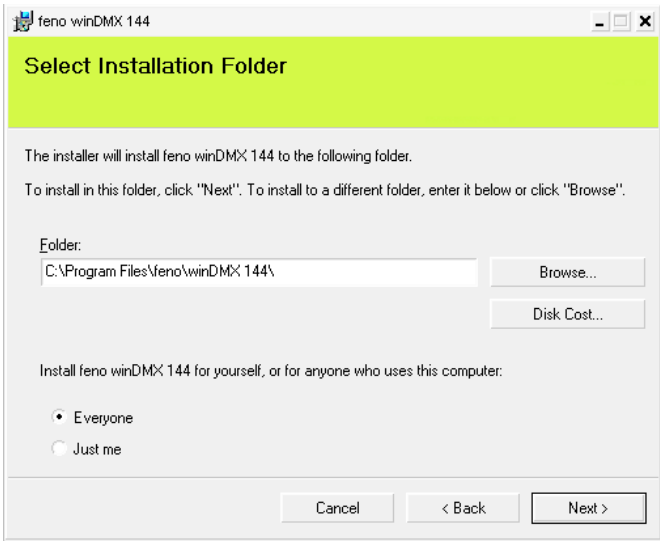
· define hold times for each light mood

· edit cross-fade effects between the individual light moods in terms of speed and intensity

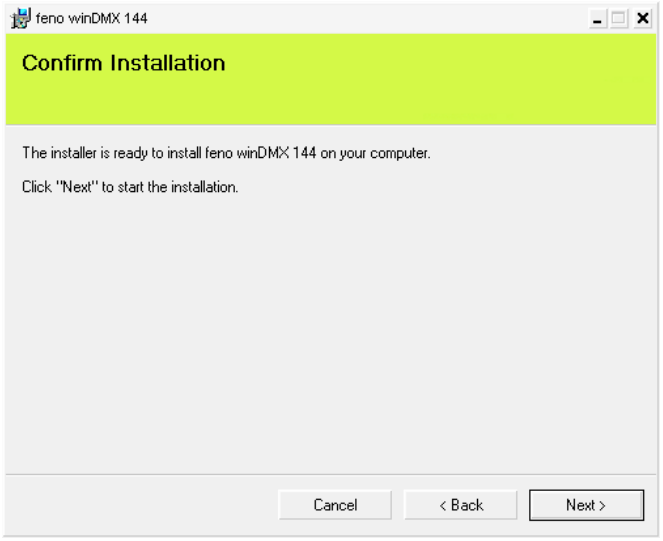
Installation


feno winDMX 144
Welcome to the feno winDMX 144 Setup Wizard
The installer will guide you through the steps required to install feno winDMX 144 on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

In order to install WIN DMX-144, double-click the "SetupWinDMX144" setup file and follow the on-screen installation instructions.

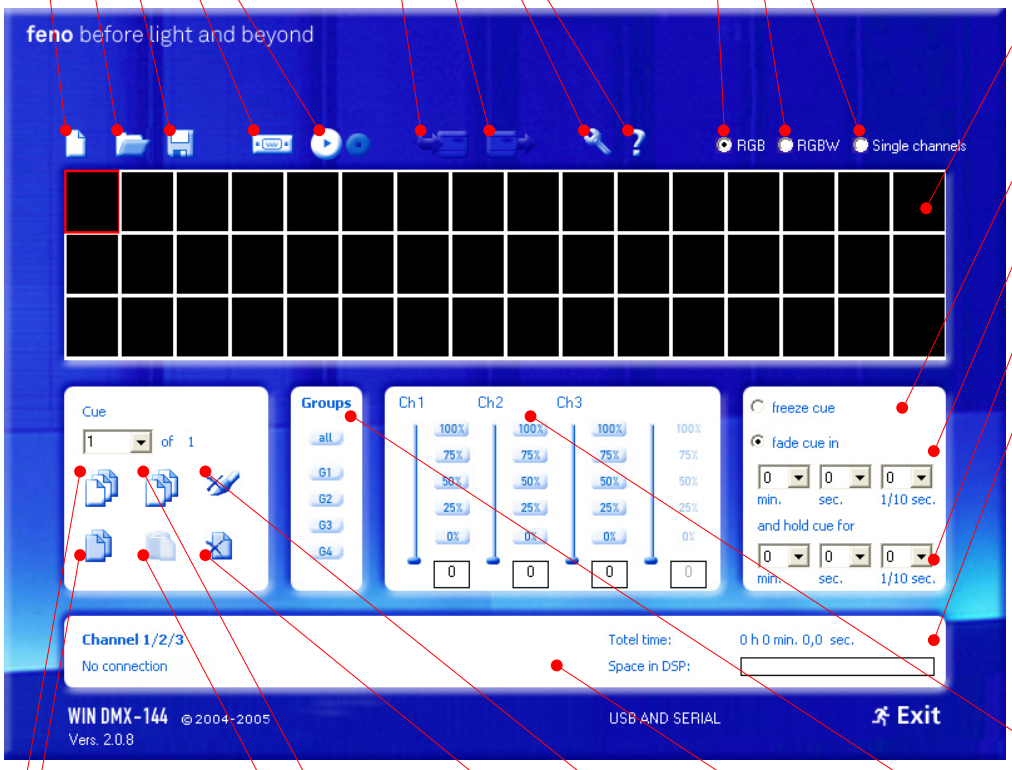

feno winDMX 144
Select Installation Folder
The installer will install feno winDMX 144 to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\feno\winDMX 144\
Browse...
Disk Cost...
Install feno winDMX 144 for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

The software will be installed in the specified directory.
Default: C:\Program Files\feno\ winDMX 144


feno winDMX 144
Confirm Installation
The installer is ready to install feno winDMX 144 on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

Click "Next" to start the installation. Subsequently click "Finish".
Now the software is installed and can be used.
To run the program go to : Start - Program Files - feno - WIN DMX-144

User Interface



New sequence

Open sequence

Save sequence

Connect to unit

Start preview

Store sequence in fc s.dmx 144d

Load sequence from fc s.dmx 144d

Settings

Help

Red, Green, Blue

Red, Green, Blue, White

Single channels (color as per connected lamp, not shown)

In RGB mode, three channels (i.e. three connected lamps) produce the color of a field.

The mood is held until a button is pressed on the unit.

The unit fades to the next mood in the defined period of time.

The mood is held for the defined period of time.

The storage space available in the unit, max. 244 moods

Color adjustment in percent via sliders or by directly entering a value

Groups: The selection can be saved here as a group

Since it may take some time for a connected unit to be detected, you will be kept informed of progress in the status bar at the bottom of the screen. Amongst other things, it will show you whether or not you are currently connected to the fc s.dmx 144d.

Append

Insert

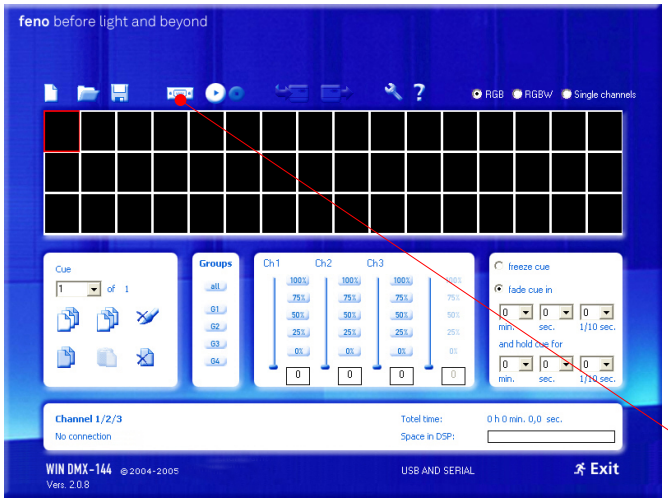
Reset

Copy to clipboard

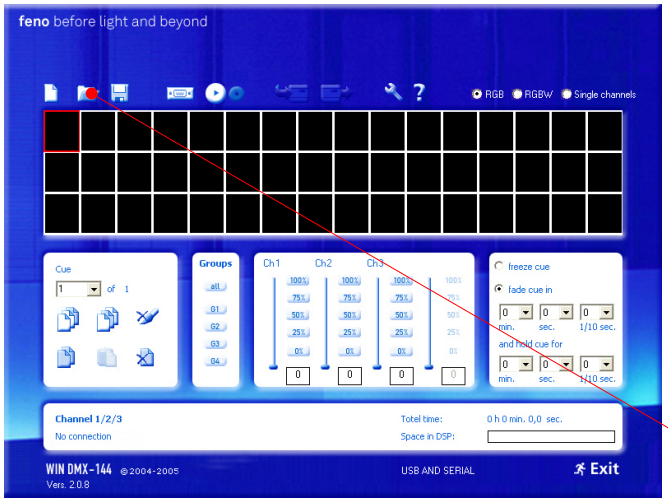
Paste from clipboard

Delete current mood

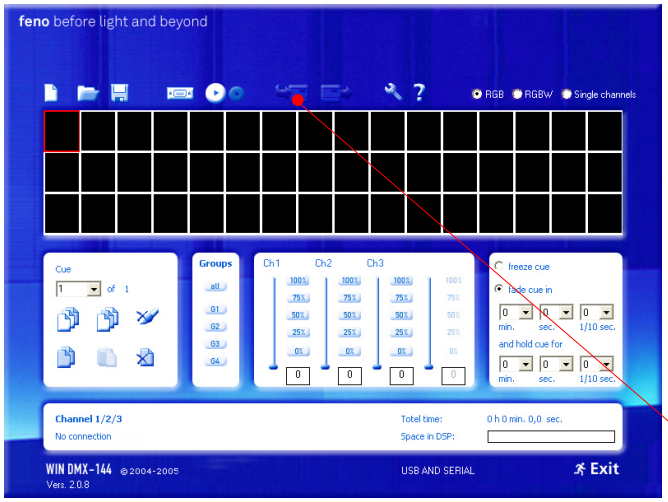
Operation



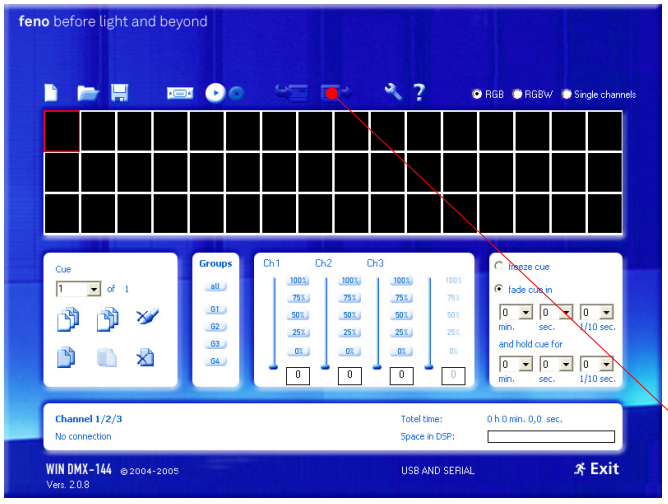
Online/Offline Mode
You can run the program either offline or with an active connection to a fc s.dmx 144d (online). To establish an active connection the PC must be linked to the fc s.dmx 144d via a standard null modem cable on a free serial port and the fc s.dmx 144d must be connected to a power supply. Use "Connect to unit" to select online or offline operation. You can switch between online and offline mode at any time.



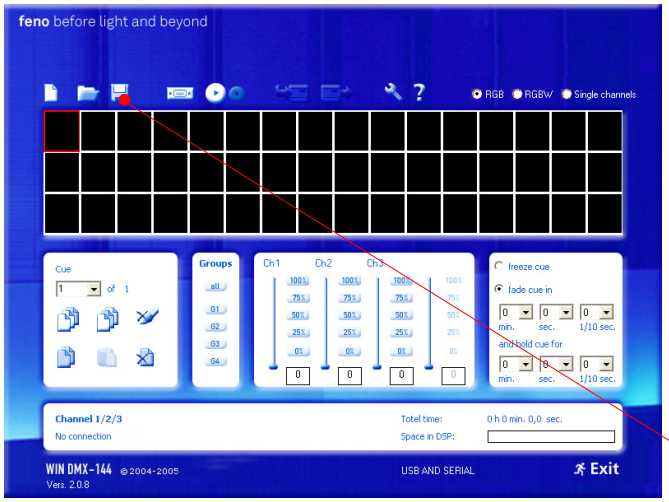
Opening a Light Program
Click "Open sequence" and select a file with the suffix ".kwl".



Storing a Light Program in the fc s.dmx 144d
When you have created your light program or have loaded an existing file you can place it in one of four storage locations on the fc s.dmx 144d. To do this, you need a connection to the fc s.dmx 144d and you need to click "Store sequence" and select the storage location.Your light program will now be stored permanently in the fc s.dmx 144d. You can change or overwrite it at any time.

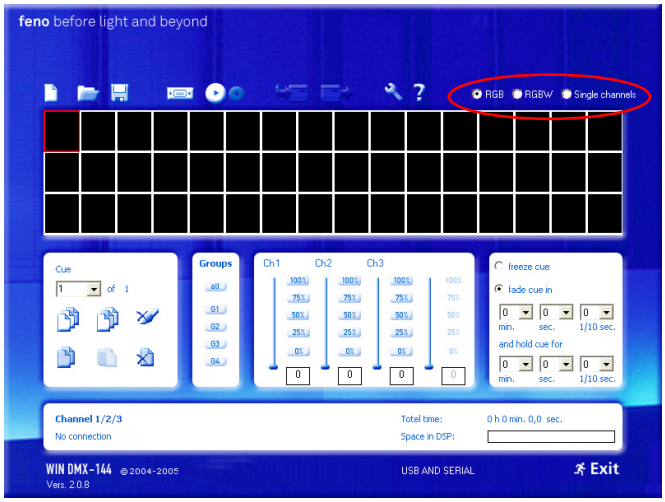


Loading a Light Program from fc s.dmx 144d
Click "Load sequence from fc s.dmx 144d". Your files will be imported from the unit.



Storing a Light Program

Click "Save sequence". Your files will be stored with the suffix ".kwl".



Setting the Channels

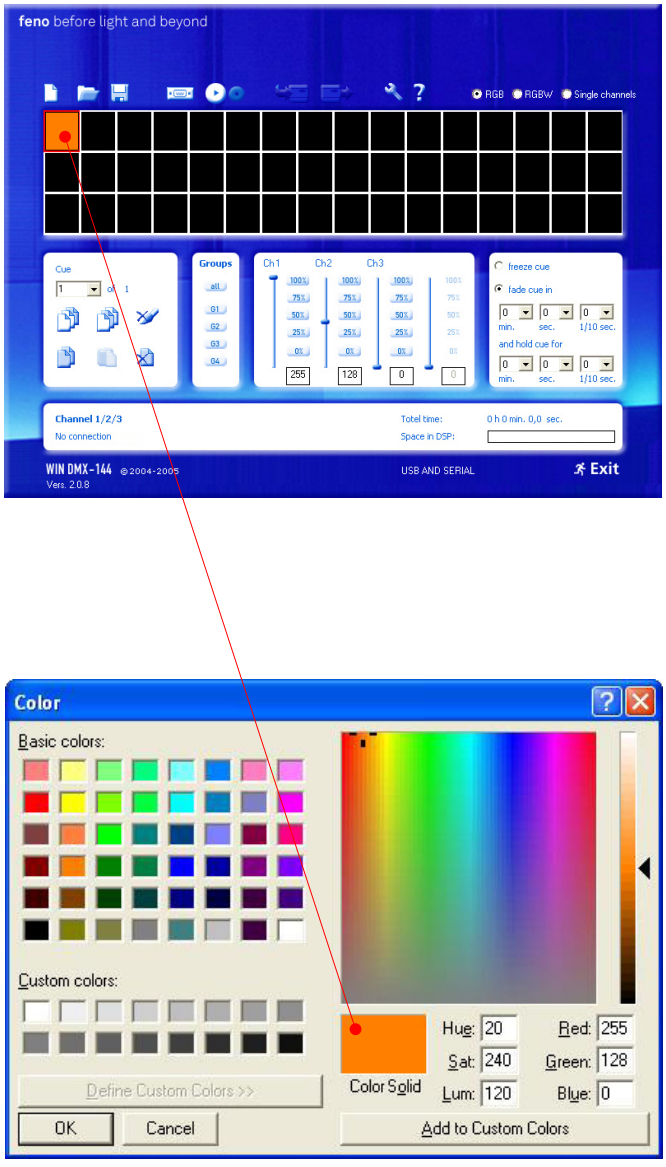
The application gives you three options for setting the channels.

1.) Three dimmer channels simultaneously as RGB values --> RGB

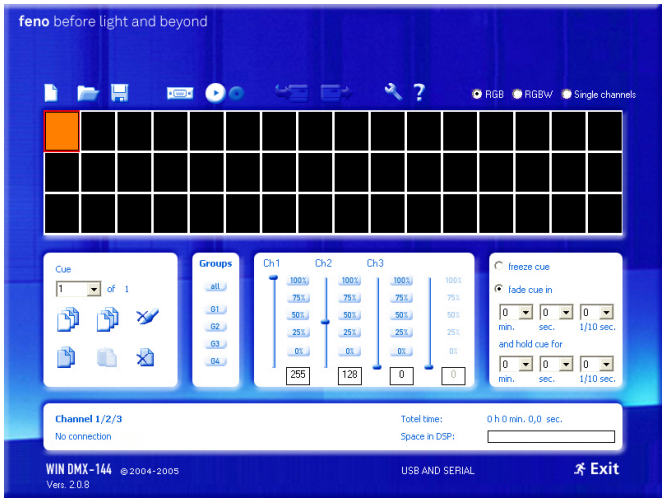
2.) Four dimmer channels simultaneously, three of which are RGB values and one white --> RGBW

3.) Each channel separately --> Single channels

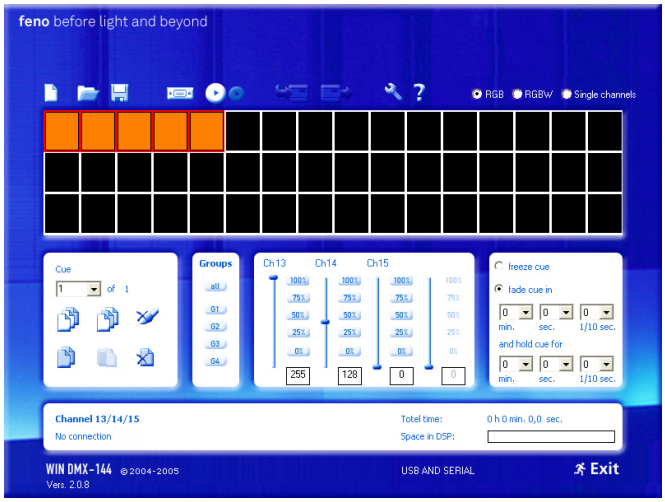
Color Selection



How do I set a color?
Double-click on a preview field with the left mouse button. This will automatically open the color field selector. Select the color you want and then "OK". The color will then be displayed in the preview field.

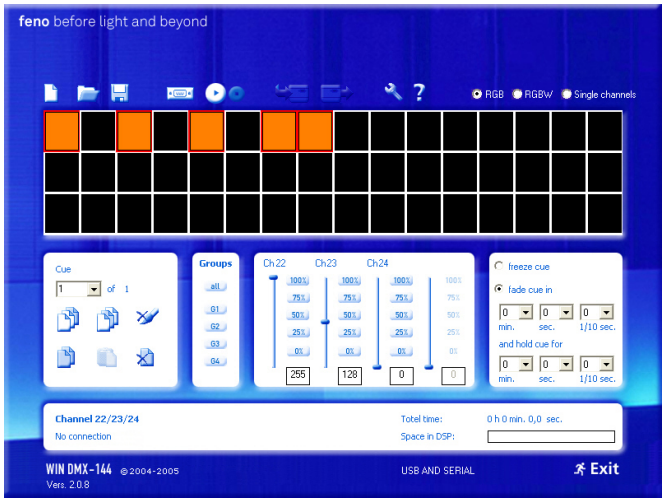


The color values can also be entered directly in the input fields under the individual channels or adjusted as percentage values using the sliders.

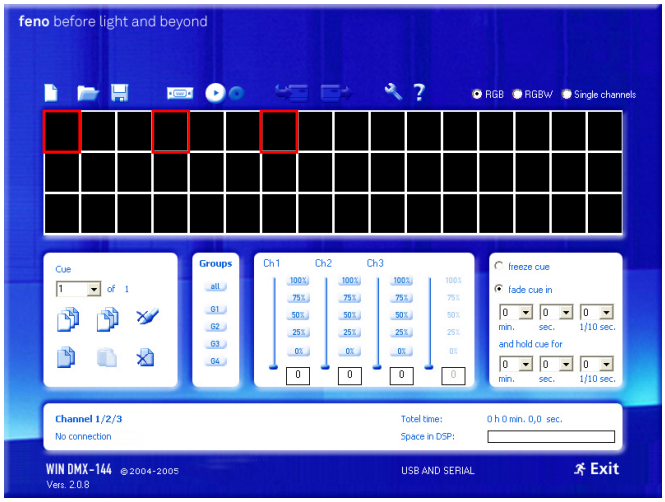


How do I select multiple channel fields at the same time?

Click a color field, hold down the Shift key and click another field. All the fields in between will also be selected.



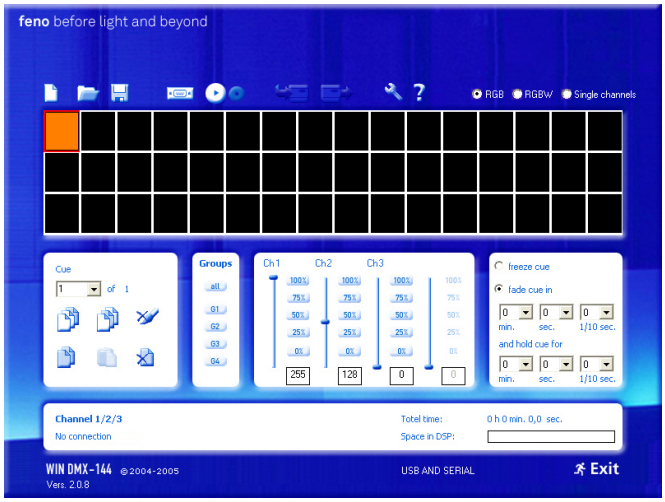
Alternatively click a color field, hold down the Ctrl key and click another field. Multiple fields can be selected this way without the fields in between being selected.



Can I save a selection?

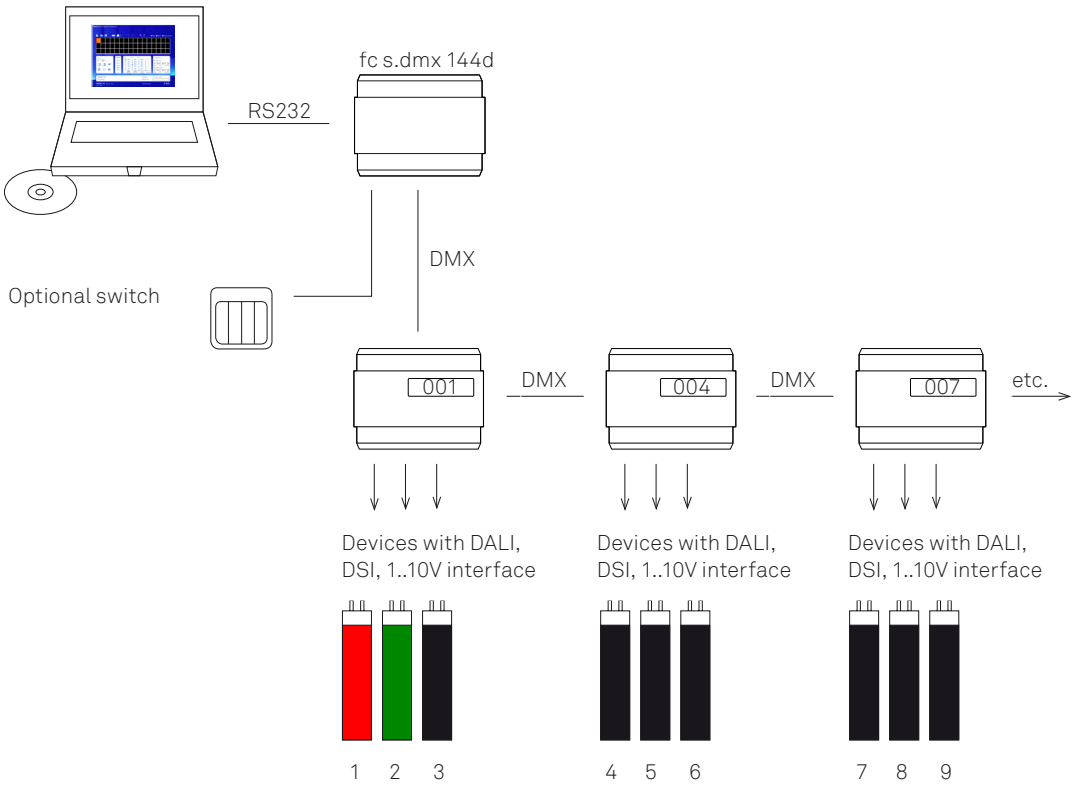
If you want to use this selection more than once you can save it as a group. First select the fields you want and then click on a group button with the right mouse button. You can retrieve the selection with the left mouse button. N.B: The color settings are not saved, just the group. You can save up to four groups.

RGB Mode

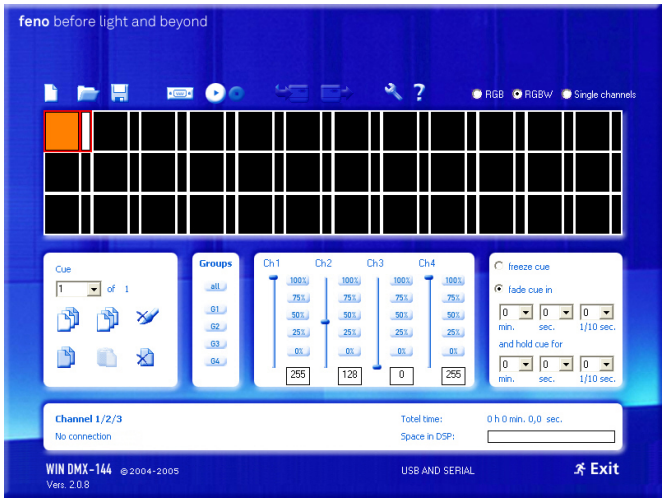


Three channels are combined to form each RGB value. If, for example, you have assigned red, green and blue light sources to your channels 1, 2 and 3 you can simply select the color you want on the color field. The correct values are automatically allocated to the individual channels, generating the color mixture.

Red: 255
Green: 135
Blue: 0

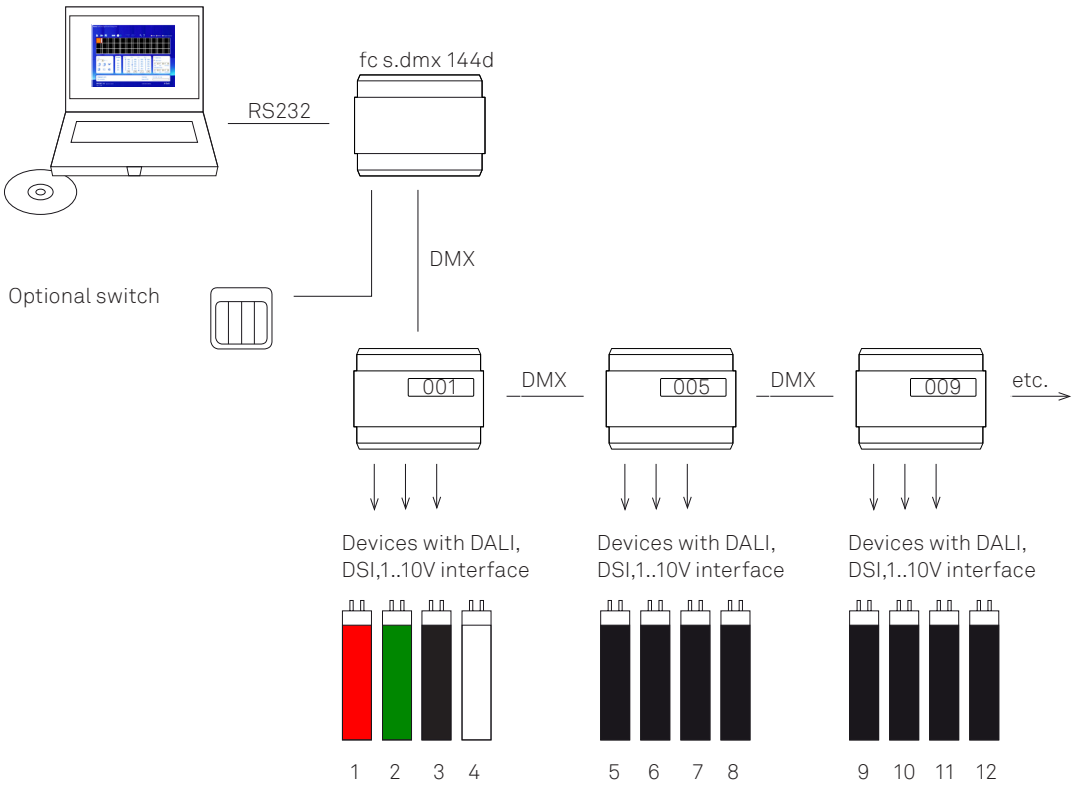


RGBW Mode

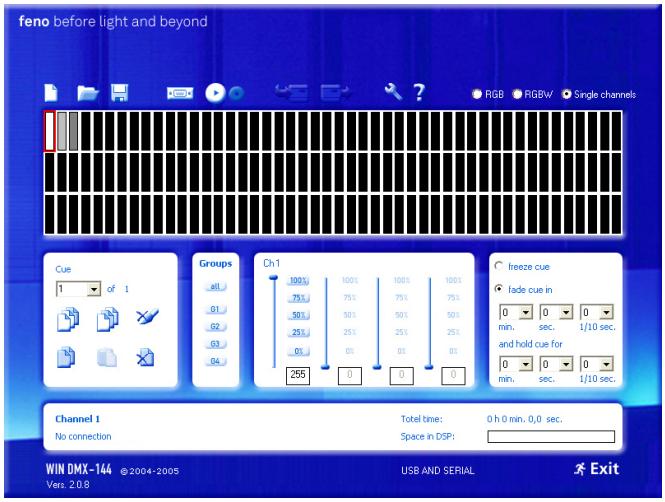


Four channels are combined to form a unit. The values for the first three channels can be adjusted with the sliders or with the color field selectors or they can be entered directly. A white light source can be connected to the extra fourth channel to intensify the light. This can be adjusted using the fourth slider.

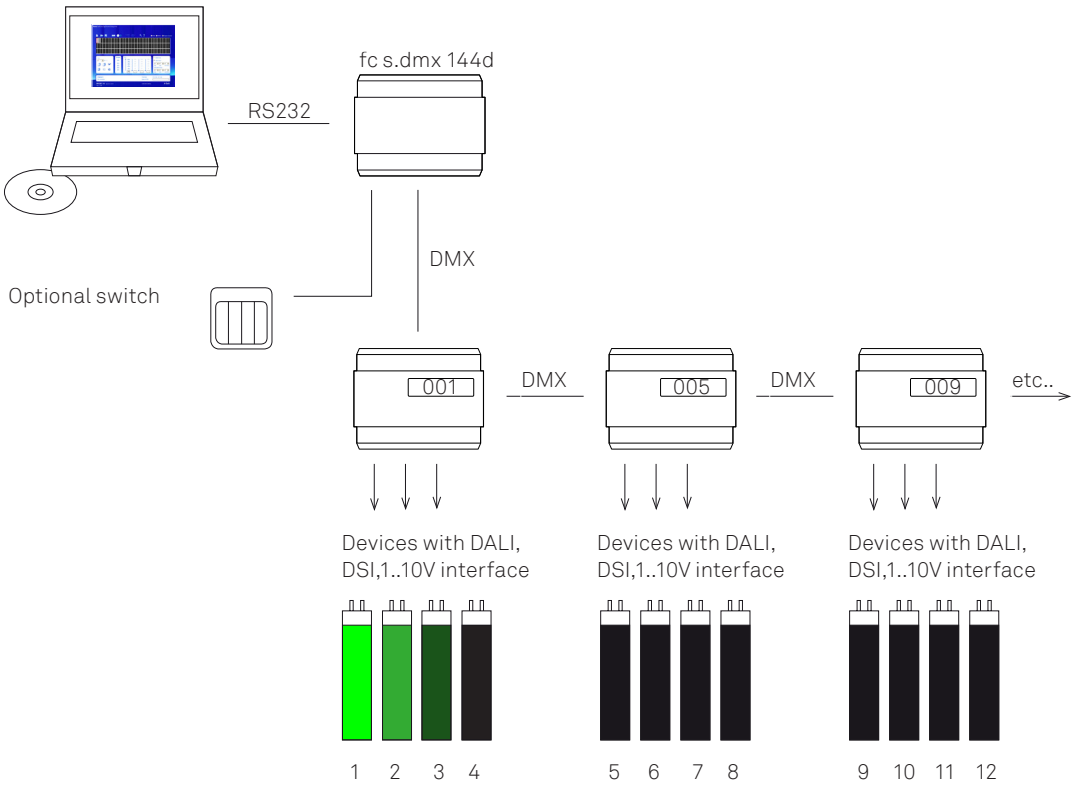
Red: 255
Green: 135
Blue: 0
White: 255



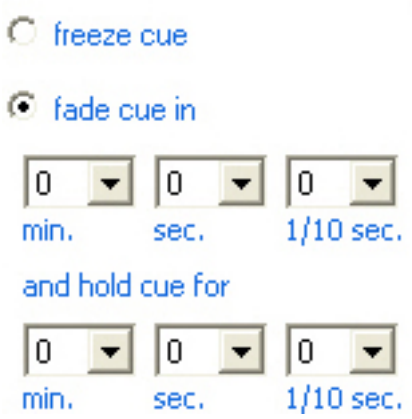
Single Channels



Each of the 144 separate channels can be set to a specific value using the sliders or by entering the value directly. This enables the luminous intensity to be regulated.

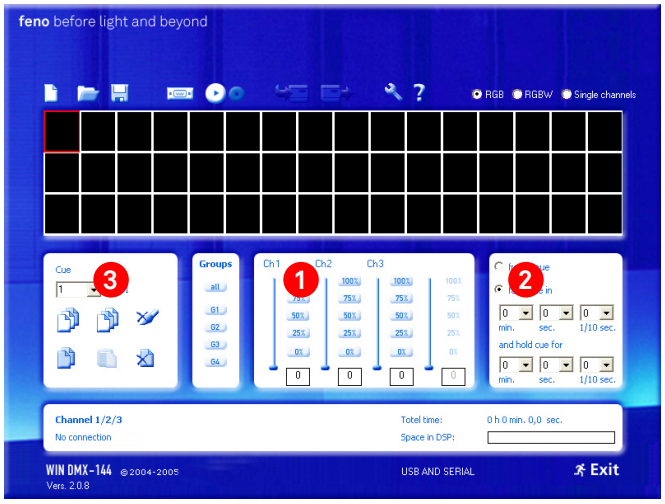


Programming



Fading and Hold Time
You can sequence individual moods and assign fade properties to them. You can also specify different hold times for each mood. If you set "Freeze cue" the mood will be held until a button is pressed on the unit. "Freeze cue" automatically sets all the time values to 0.

Preview
If the sequence is then viewed in the preview simulation it is automatically stopped at the "Freeze cue" point. The "Continue" button is now activated. Click it to continue the simulation. The simulation can be ended any time by clicking "Stop". The preview for the sequence always begins with the mood that is currently being edited and not at the start of the sequence itself.



Programming a Sequence

Step 1:
Select the color settings for the channels as described in the previous chapter.

Step 2:
You now have the option of holding the mood for as long as you like and you can also decide whether to fade into the next mood. You can specify the exact time the fade should last. The program then automatically calculates the fade stages to achieve a smooth effect.

Step 3:
When you have finished setting your mood select "Append" to attach a new empty mood to the current sequence.
Optionally you can remove all the current color settings from the mood using "Reset" in order to start again.

This way you can keep attaching moods and view the results using "Start Preview". The sequence will now run in the channel setting fields.

Additional Functions

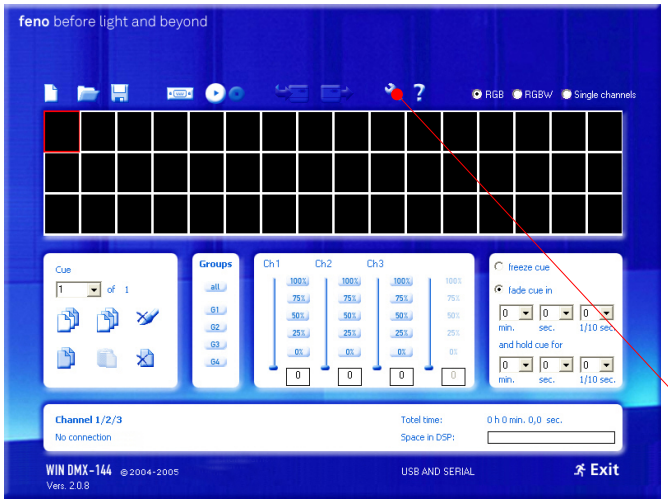
With "Insert" anywhere in you can insert a new mood the sequence.

To delete the entire mood, press "Delete current mood".

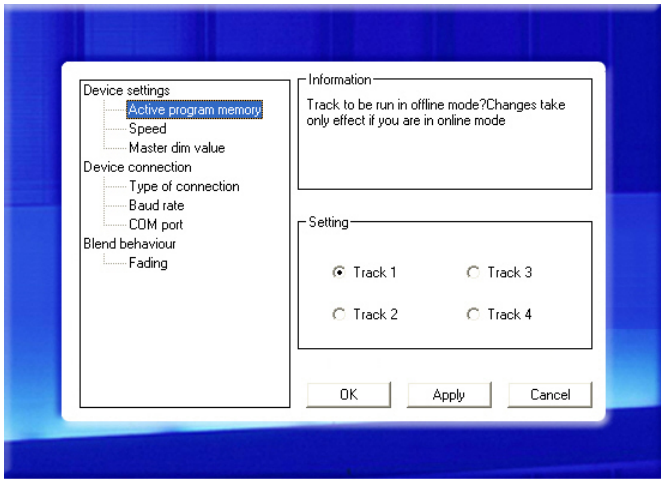
"Copy to Clipboard" saves all the color values of a mood.

The values can then be transferred to another mood with "Paste from Clipboard".

Program Settings

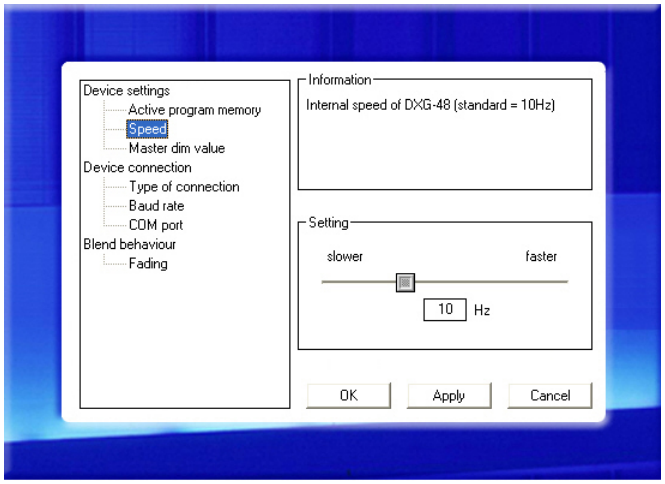


The program settings can be opened with "Settings".

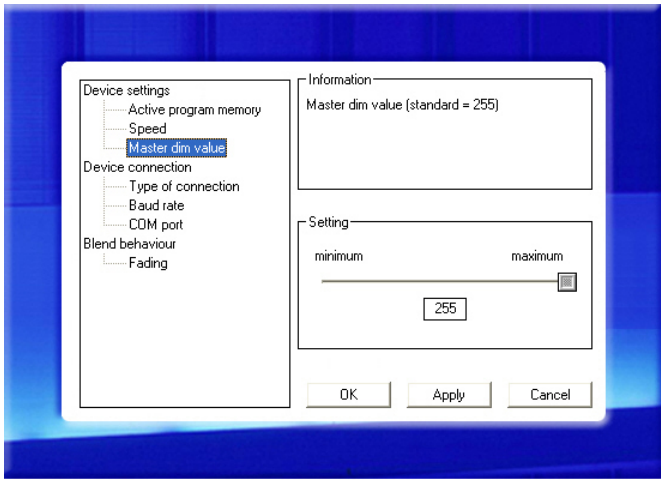


Device Settings fc s.dmx 144d

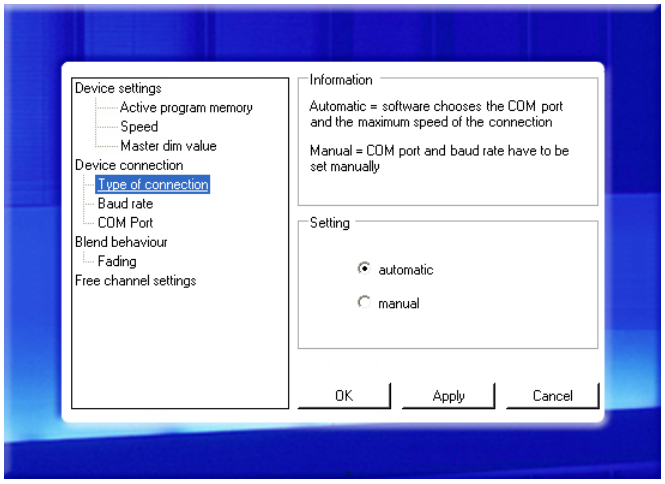
· Active Program Memory
If the fc s.dmx 144d is operated without active control one of the four light programs stored internally is automatically run. Here you can specify which light program is to be played.



· Speed
Playback speed of light programs by the
fc s.dmx 144d (the "normal" playback speed is 10 Hz)
Factory default: 10 Hz

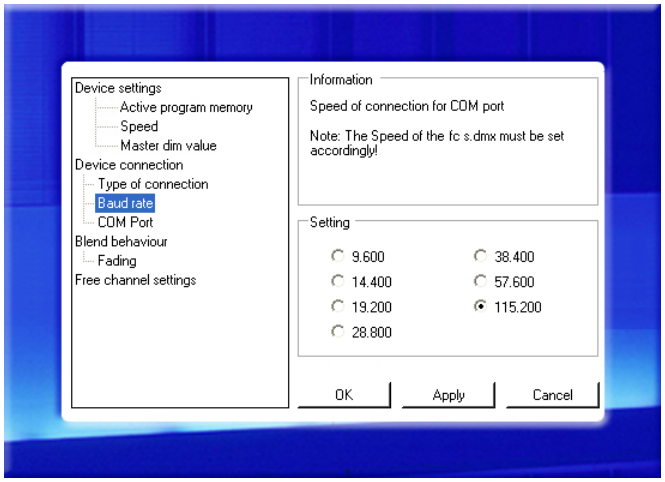


· Master Dim Value
0 – 255:
255 corresponds to 100 % of the current value set; in other words if you have set a value of 100 and the master dim value is 128, then the actual output value is: 128/255 x set value = 128/255 x 100 = 50

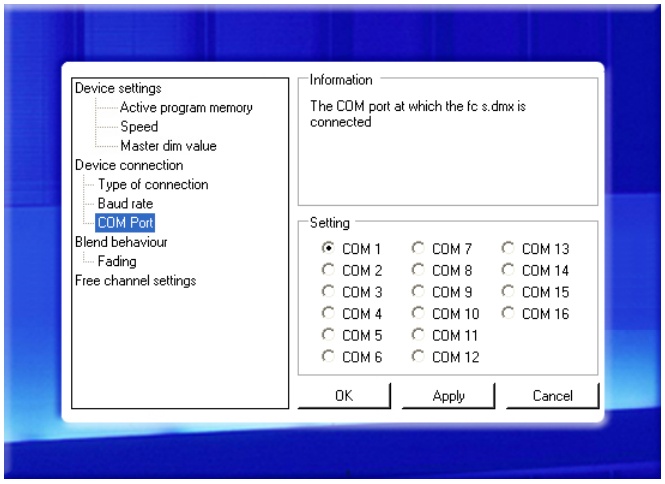


Connection fc s.dmx 144d

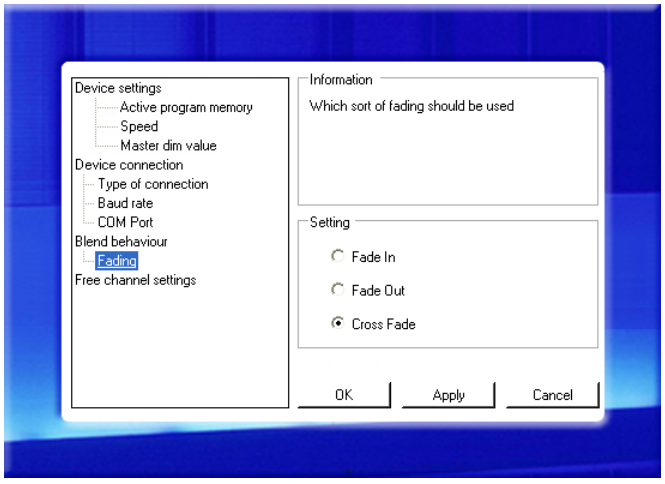
· Type of Connection
automatic: The program automatically establishes a connection to the device as quickly as possible. All the COM ports are checked for connected devices and a connection is established to the first device found.
manual: The baud rate and the COM-Port must be set manually.



· Baud Rate
The baud rate (transmission rate) for communicating with the fc s.dmx 144d can be set here manually.



· COM Port
The port where the fc s.dmx 144d is to be connected can be selected manually.



Blend Behaviour

· Fading
The scheme for working out the blends can be set here.

Computer Connections

Pin Assignment of the 9-Pin Serial Interface

Pin	Signal	Signal
2	TXD Transmit Data	RXD Receive Data
3	RXD Receive Data	TXD Transmit Data
5	GND Signal GND	GND Signal GND

Connection fc s.dmx 144d and PC
Use a null modem cable to connect the fc s.dmx 144d to a serial port on your computer.

Connection fc dmx 512u and PC
Use a USB cable to connect the fc dmx 512u to your computer.

Switch
In its connected state the fc s.dmx 144d permanently sends a DMX512 lighting control signal. After being connected to the power supply the device takes approximately three seconds to initialise. It plays back the last track set, starting from mood 1. The switch can be used to select tracks 1 through 4. If the same switch is operated again, playback stops at this point. Operating the switch again resumes playback from the point where it was stopped. If the blend and hold times are set to 0 the moods can be called up one after the other.